

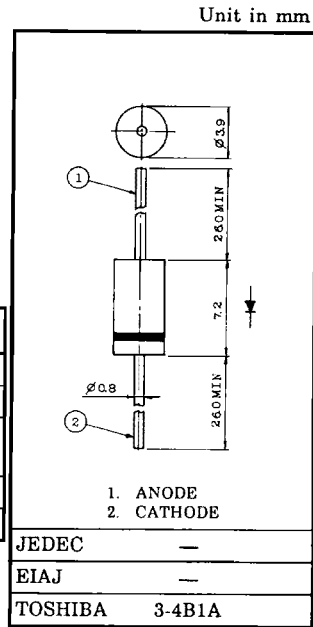
1R5GU41

○ SWITCHING TYPE POWER SUPPLY APPLICATIONS.

- Repetitive Peak Reverse Voltage : $V_{RRM} = 400V$
- Average Forward Current : $I_F(AV) = 1.5A (T_a = 25^\circ C)$
- Very Fast Reverse Recovery Time : $t_{rr} = 100ns (MAX.)$

MAXIMUM RATING

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	400	V
Average Forward Current	$I_F(AV)$	1.5	A
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	60 (50Hz)	A
Junction Temperature	T_j	-40~150	°C
Storage Temperature Range	T_{stg}	-40~150	°C

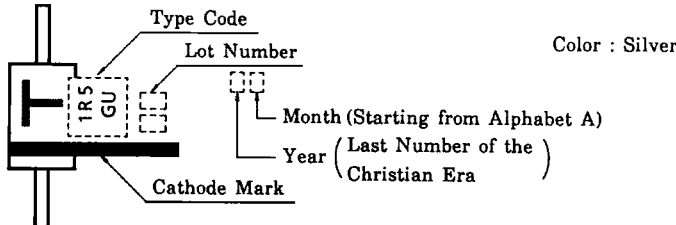


ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ C$)

Weight : 0.47g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 1.5A$	—	1.2	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 400V$	—	50	μA
Reverse Recovery time	t_{rr}	$I_F = 1A, di/dt = -30A/\mu s$	—	100	ns
Forward Recovery time	t_{fr}	$I_F = 1.0A$	—	200	ns

MARKING



CODE	TYPE
1R5GU	1R5GU41

